

PTO/SB/21 (6-98)

09/800,979

Approved for use through 09/30/2000. OMB 0651-0031
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Application Number

TRANSMITTAL FORM		Filing Date	03/08/01	03/08/01		
		First Named Inventor	Magnussen e	Magnussen et al		
	Group Art Unit	Unknown	Unknown			
(to be used for all correspondence after initial filing)		Examiner Name Unknow				
Total Number of Pages in This Submission		Attorney Docket Number	ELLIP-004A			
ENCLOSURES (check all that apply)						
Fee Transmittal Form Fee Attached Charge Any Additional Fee Required, to Deposit Account No. 19-4330 Amendment/Response After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Form Lice Petiti Accor Appli Pow Corre Terr Sma	gnment Papers (for an Application) al Drawing(s) (36 pages) nsing-related Papers tion Routing Slip (PTO/SB/69 and propanying Petition tion to Convert to a Provisional cation eer of Attorney, Revocation, Change of espondence Address minal Disclaimer all Entity Statement uest for Refund (S):	Appeal Com Appeals and Appeal Com (Appeal Notin Proprietary I Status Lette Additional E (please identi	r inclosure(s)		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT						
Firm or Individual Name Stetina Brunda Garred & Brucker - Lowell Anderson						
Signature Lowell Ander						
Date 09/19/01	Date 09/19/01					
CERTIFICATE OF MAILING						
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 09/19/01						
Typed or printed name Carrie Shaffer						
Signature / Mu Muff Date 09/19/01						



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applic	eant(s): Magnussen et al)	
11	, ,)	Art Unit: Unknown
Serial	No.: 09/800,979)	
)	Examiner: Unknown
Filed:	03/08/01)	
)	
For:	VIBRATORY MOTOR AND)	
	METHOD OF MAKING AND)	
	USING SAME		

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. SECTION 1.97

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir/Madam:

Pursuant to 37 C.F.R. § 1.97, the following Information Disclosure Statement is submitted as listed on form PTO/SB/08 enclosed herewith in duplicate. Copies of all disclosure documents are attached hereto for the Examiner's review.

No representation is made that the references disclosed herein legally constitute prior art, or that more relevant references are not available. The disclosure documents enclosed herewith and listed on the attached form (PTO/SB/08) are printed in the English language and/or accompanied by an Abstract published in the English language, or a comments are provided below.

DE 3309 239 discloses a piezoelectric motor with two resonators each having a separate resonant frequency defined by the dimensions of the respective resonator. The frequencies are sufficiently close to produce a mechanical phase shift in the resonators so that no electric difference of the input signal 8 is necessary.

EP 0 231 940 AP shows a piezoelectric drive used as a motor (Fig. 1) or mist generator (Fig.

2), and uses two masses (2 & 3) connected by a tube shaped part 6 that encloses the piezoceramic body 4.

EP 0643 427 has claims written in English. Claim 1 refers to an electric motor with at least one pair of transducers (1, 1, 1', 2', 101, 102) each comprising a vibrating element. These transducers are located collinearly in order to generate longitudinal vibrations in the direction of the axis of alignment, in permanent contact via one of their ends with a support structure (70, 15, 24, 38, 39, 46, 51, 60, 66, 104, 107) and via the other one of their ends with an elastic coupling means (3, 3', 103) to which the vibrations of the two transducers are applied. The transducers are excited so that their vibrating elements vibrate at one and the same frequency, depending on the alignment of the transducers, but with a phase shift of 90°, and at least one element (4, 10, 11, 25, 36, 37, 49, 50, 62, 63, 106) frictionally driven by the coupling means whose zone of contact with th driven element is given a circular or elliptical movement, motor wherein the coupling means is an elastic component in contact at two opposed points with the transducers, and exhibiting symmetry relative to a plane perpendicular to the line of action of the transducers and a section, along a plane containing this line of action, of at least approximately elliptical, particularly circular or semi-elliptical shapes.

DE 25 30 045 describes a motor with a stator and a rotor where the stator has at least one piezoelectric resonator that has a friction contact to the rotor. The resonator has at least one piezoelectric that is attached to the parallel surfaces of the resonator. The piezoelectric element is connected to an AC-voltage source. The polarization of the piezoelectric element is perpendicular to the electrode surface. The dimension of the resonator are designed to have a longitudinal resonance that are close to the frequency of the AC voltage. The resonator is in driving communication with the rotor, so that the contact to the rotor causes bending or transversal vibrations that together drive the rotor.

DE 39 20 726 describes an ultrasonic oscillator 1 with piezoelectric elements 2. A resonator 4 is connected to the piezoelectric elements 2. The resonator has one or several slanted surfaces 9 wherein at the front end of resonator 4 elliptic oscillations are generated. The ultrasonic oscillator 1 can be used as a driver of a motor 20 that has a rotor 22.

DE 38 33 342 describes a piezoelectric motor providing two selectable driving directions and a holding mode, comprising one driving element (2, 33, 133, 233) that generates mutually orthogonal

motion components (L, T) with selectable mutual phases (0°, 180°, 190°).

The references listed herein, when taken alone or in combination are not believed to disclose nor make obvious the invention as claimed in the subject application.

As this Information Disclosure Statement is being submitted before the stipulated three months from the filing date of the application and/or before the mailing of a first Office Action, it is believed that no fee is required. If a fee is required, please charge Account Number 19-4330.

Respectfully submitted,

Dated: ____

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